

Poly:lactide(s) with increased flexibility, suitable for film prodn.

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Inventor: STERZEL HANS-JOSEF DR (DE)
Applicant: BASF AG (DE)
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Abstract of DE4300420

Poly lactides with increased flexibility are claimed (I). (I) are obtd. by mixing polylactides (II) with aliphatic polyesters (III) in the melt, granulating, cooling, drying, crystallising by raising the temp. and tempering the crystallised granules for 2-50 hrs. at 5-20 deg.C below the m.pt. of (II), to give a block copolymer. Pref. wt. ratio (II):(III) = (9:1)-(2:8), more pref. (8:2)-(4:6) esp. pref. (6:4)-(5:5). (II) is homopolymeric L- or D-poly lactide, or a copolymer of L- or D-lactide with not more than 5 mole % 1,3-dioxan-2-one, 1,4-dioxan-2-one, lactone and/or other lactide. (III) has the structure $-(CH_2)_n-COO-$ (with $n = 2-20$) pref. (III) is poly-epsilon-caprolactone (PCL).

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